

CLAIMS

1. Terminal (200) designed to perform transactions requested by the holder of an IC-card (10), comprising a touch panel display (100) and means for contactless communication with the IC-card (10), **characterised** in that at least one antenna (112), designed to receive signals from and/or to send signals to the IC-card (10), is embedded in the touch panel display (100).
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2. Terminal (200) according to claim 1, **characterised** in that a communication module (111) comprising a communication controller, a receiver and a transmitter connected to the antenna (112), is integrated in the touch panel display (100).
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3. Terminal (200) according to claim 1 or 2, **characterised** in that the communication module (111) and the controller for the touch screen functionality of the touch panel display (100) are implemented in a common circuit.
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4. Terminal (200) according to claim 1, 2 or 3, **characterised** in that, adjacent to the antenna (112), the touch panel display (100) comprises a receptacle (101, 102) designed to receive and hold the IC-card (10).
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5. Terminal (200) according to claim 4, **characterised** in that the receptacle is designed as a recess (101) in the surface of the touch panel display (100) or that receptacle is designed as a cavity (102) with an opening slot in the surface of the touch panel display (100).
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6. Terminal (200) according to claim 4 or 5, **characterised** in that, adjacent to the receptacle (101, 102) at least one optical sensor (113) is embedded in the touch panel display (100) that detects receipt of an IC-card (10) in the
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receptacle (101, 102) and/or that reads data written on the surface of the IC-card (10).

7. Terminal (200) according to one of the claims 1 to 6, designed as an access control terminal, a pay telephone or a point of sales terminal, such as ticket vending machine or an automatic teller machine.
8. Touch panel display (100) in particular for a terminal (200) as defined in one of the claims 1 to 7, **characterised** in that at least one antenna (112), designed to receive signals from and/or to send signals to the IC-card (10), is embedded in the touch panel display (100).
9. Touch panel display (100) according to claim 8, **characterised** in that a communication module (111) comprising a communication controller, a receiver and a transmitter connected to the antenna (112), is integrated in the touch panel display (100).
10. Touch panel display (100) according to claim 8 or 9, **characterised** in that the communication module (111) and the controller for the touch screen functionality of the touch panel display (100) are implemented in a common circuit.
11. Touch panel display (100) according to claim 8, 9 or 10, **characterised** in that, adjacent to the antenna (112), the touch panel display (100) comprises a receptacle (101, 102) designed to receive and hold the IC-card (10).
12. Touch panel display (100) according to claim 11, **characterised** in that the receptacle is designed as a recess (101) in the surface of the touch panel display (100) or that the receptacle is designed as a cavity (102) with an opening slot in the surface of the touch panel display (100).

13. Touch panel display (100) according to claim 11 or 12,
characterised in that, adjacent to the receptacle (101,
102), at least one optical sensor (113) is embedded in the
touch panel display (100) that detects receipt of an IC-
5 card (10) in the receptacle (101, 102) and/or data written
on the surface of the IC-card (10).
14. Touch panel display (100) according to one of the claims 8
to 13, **characterised** in that all data originating from the
user side, data entered by the user and data read from the
10 IC-card, are transmitted over a common data bus (91) to the
main processor (9) and/or that the communication protocol
used to exchange data with the IC-card (10) is implemented
within the touch panel display module (100).
15. Touch panel display (100) according to one of the claims 1
to 14, comprising a device (108) designed to read biometric
data, in particular data relating to a fingerprint.
16. Touch panel display (100) according to one of the claims 1
to 14, **characterised** in that the communication module
(111), in particular the communication controller supports
20 secure data entry and secure data transfer.